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OSA 3885-63

10 JUL 1963

MEMORANDUM FOR THE RECORD

SUBJECT : Collins Data Communications Seminar

1. During the period 11-13 June 1963 the writer attended the subject seminar held at the Collins Information Science Center at Newport Beach, California. Others attending the seminar from the agency and other services are listed in attachment A. Attachment A also contains the schedule and brochures available during the seminar.

2. The major agency interest in the Collins data processing and communications system is in the development of the MAX I teletype switching system now underway. Collins is furnishing a dual 8401 data processor as part of the system. The system is understood to be a 52 line system and will cost approximately [redacted], purchased out-right.

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3. The major reason for attendance by the writer was to determine the applicability of the Collins system to Dyadic data communication requirements in support of EDP. The Collins system is designed at present for receiving, routing, storing, and transmitting teletype messages at speeds of 66 2/3, 75, and 100 words per minute. No provision has been made in the system for handling an interchange of computer data between remote points, however, the system has the capability of being programmed for data interchange purposes. [redacted] a cleared Collins Washington representative, was requested to submit an informal proposal aimed at more closely satisfying Dyadic requirements. The proposal should be forthcoming within a couple of weeks.

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4. One item which Collins has developed is of major interest to Dyadic. The Collins TE-210D-2 Serial/Parallel 2400 BPS Digital Data Modem may satisfy requirements for a modem to be used with the KG-13 key generator. The locked-in accuracy claimed for the TE-210 should reduce the error recognition and parity check problems.

5. The seminar was extremely interesting as an introduction to automatic message switching. A situation somewhat paradoxical to exists with the Collins people in that they are placed in a position of selling the reliability of a system which has insufficient history to back them up.

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At the present time several systems have been made and are in operation at Cedar Rapids, Michigan, for handling commercial traffic.

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Attachments:

As stated above

Distribution:

- 1- Commo/w/atts
- 1- Chrono/w/oatts
- ~~1- RB/OSA/w/oatts~~

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